

## **REMARKS**

Very thanks for Examination's suggestion and thanks for finding some citations about the present invention, thereby, the applicant may know more information about the invention. This case has been carefully reviewed and analyzed in view of the office action.

Responsive to the objections and rejections made of the Examiner in office action. We have amended the specification, claims and abstracts. All the errors disclosed in that office action has been corrected according to the Examiner's indications disclosed in the official action.

Examiner has kindly provides reference prior arts about the present invention, and thus the applicant has more information about the invention. All details of the reference prior arts are fully considered and compared with the present invention.

Indeed the citations disclose some features of the present invention, and the applicant agrees with these viewpoints, however applicant discovers that some features of the present invention are not wholly disclosed by the citations, which are claimed in the original specifications and especially drawings. Thereby, the applicant desires to get the patent rights of these features.

To make the present invention novel, the applicant decides to cancel Claims 1 to 5, without prejudice or disclaimer of the subject matter thereof, and add new claim 6. The added new claim 6 is based on the original claim 1 to 5 and the features in the Fig. 2. Thereby, it is assured that the new claim are based on the original claim and specification and thus no new matter is added. The relation of the new claim with respect to the original claims are listed in the following.

Claim 6. (New) ~~4~~—A piston rod rotary driving device of a screw

nail gun; the driving ~~driving~~ device being installed in a gun head 11 of the screw nail gun;

at least one pneumatic motor 2 installed in one end portion of the gun head; comprising the at least one pneumatic motor 2 being capable of being driven by high pressure air,

a cylinder 5 capable of loading high pressure air;

a piston rod 6 in the cylinder 5, one end of the piston rod 6 having a piston 61; the piston 61 being actuated by the high pressure air so as to trigger a screw nail to move linearly; another end of the piston rod being driven by the pneumatic motor to rotate the screw nail;

~~wherein~~ a spindle 27 of the pneumatic motor 2 ~~is~~ formed installed with a rod groove 28 for receiving the piston rod 6; and the spindle 27 of the pneumatic motor 2 driving ~~drives~~ an output disk 4 to rotate; the spindle 27 being connected to the piston rod 6; the piston rod being capable of receiving a nail locking rod 62 for driving a nail 63;

a ~~plurality of~~ polygonal supporting holes 42 being ~~are~~ formed at a center portion of the output disk 4; the piston rod 6 being ~~is~~ a polygonal rod so that the piston rod 6 can be coupled to the supporting holes 42 to move therein; and the output disk 4 drives the piston to rotate;=

~~2. The piston rod rotary driving device of a screw nail gun as claimed in claim 1,~~ wherein a planet gear set 3 is installed between the spindle 27 of the pneumatic motor 2 and the output disk 4 for transferring rotation power.=

~~3. The piston rod rotary driving device of a screw nail gun as claimed in claim 2 1,~~ wherein the planet gear set 3 is formed by a driving gear and a plurality of driven gears; the driving gear

is firmly secured to a distal end of the spindle of the pneumatic motor; and the driven gears are pivotally installed on the disk surface of the output disk; the plurality of driven gears are arranged around the driving gear and are driven by the driving gear so as to further drive the output disk to rotate;=

~~4. The piston rod rotary driving device of a screw nail gun as claimed in claim 2,~~ wherein the output disk is pivotally installed to a bearing seat;=

~~5. The piston rod rotary driving device of a screw nail gun as claimed in claim 1,~~ wherein a bush with a shape identical to that of the supporting hole is installed in the supporting hole so as to install the piston rod in the bush; the piston rod is movable in the bush.

## **DISCUSSION THE NOVELTY OF THE PRESENT INVENTION**

(1) In the present invention "at least one pneumatic motor 2 installed in one end portion of the gun head 11", but in the citation, USP 5,730,035, the motor 13 is in the middle section of the gun head.

(2) In the present invention, "the spindle 27 being connected to the piston rod 6; the piston rod being capable of receiving a nail locking rod 62 for driving a nail 63;" (referring to new claim 5 and Fig. 2 of the present invention), the piston 61 is installed near the nail 63 and the spindle 27 connected to the piston rod 6 is installed far away from the nail 62.

But in the citation, USP 5,730,035, the piston 3 is installed behind the spindle 8 and the spindle 8 is installed near the nail 60.

Thus, in the present invention and the citation, the positions of the spindle and the piston is different.

(3) The clutch 15 and shaft 7 of the citation is not suitable to be corresponding to the piston rod 6 and the disk 4.

Since the disk 4 of the present invention is not functioned as the clutch 15 of the citation, USP 5,730,035, is a clutch, but the disk 4 of the present invention can not operate as a clutch.

Moreover, in the present invention, the shaft 7 of the citation is not functioned as the piston rod 6, in the present invention, the piston rod 6 is connected to the piston 61 so as to drive the piston and the piston rod 6 is

within the cylinder 5. However the shaft 7 of the citation is not within the cylinder 2. Thus, the structure of the two are apparently different.

(4) In the present invention, the hole 42 and the piston rod 6 are polygonal, but the citation does not disclose anything about this.

Since in above discussion, it is apparent that no prior art has the features of the present invention, especially in new claim 2. Furthermore, as we know that no other prior art has features of the present invention. Thus, the present invention is novel and inventive.

It is now believed that the subject Patent Application has been placed in condition for allowance, and such action is respectfully requested.

Respectfully submitted.

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